Land Management Training Center

Syllabus for the Entrance Test
Senior Survey Course
(For departmental candidate)

Marks: 80

1. Elementary Mathematics
Percentage, area, volume, simple equations, Simultaneous equations, quadratic equations, height and distance, solution of triangles, properties of triangles, circle, probability, mean, standard deviation, variance, Law of indices.

2. Mathematics
Plane & polar Co-ordinates; equations of straight line, circle, parabola, hyperbola; concept of vector; direction cosines; matrices.

Differentiation, Limit and continuity, differentiation of functions, Maxima and minima, Expansion of functions, different series expansion.

3. Optics and Electronics
Light ray, mirror, Lens, Prism, Spectrum, frequency, wavelength, radiation, frequency modulation, Amplitude modulation.

4. Surveying and Mapping (General Knowledge)
Types of maps, map reading, latitude and Longitude, height, shape of earth, Importance of maps, Surveying and mapping activities in Nepal.

5. Geography of Nepal and Current affair


THE END